



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: NE-0002

Inventors: Borgstahl et al.

Serial No.: 10/681,874

Filing Date: October 7, 2003

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Title: Digital X-Ray Camera for Quality
Evaluation Three-Dimensional Topographic
Reconstruction of Single Crystals

I, Jane Massey Licata, Registration No. 32,257,
certify that this correspondence is being deposited
with the U.S. Postal Service as First Class mail in
an envelope addressed to the Commissioner for Patents
P.O. Box 1450, Alexandria, VA 22313-1450

On this date: January 27, 2004

Jane Massey Licata
Jane Massey Licata, Registration No. 32,257

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R.
§§1.97-1.98, information relating to the above-identified
application is hereby disclosed. Inclusion of information in
this statement is not to be construed as an admission that this
information is material as that term is defined in 37 C.F.R.
§1.56(b).

(XX) In accordance with §1.97(b), since this Information
Disclosure Statement is being filed either within three
months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

- () In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
 - () Certification in Accordance with §1.97(e) is attached hereto; or
 - () The fee of \$180.00 as set forth in §1.17(p) is attached.
- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).

(xx) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

() In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____, filed _____, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

() The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(xx) All listed references are in the English language.

Respectfully submitted,

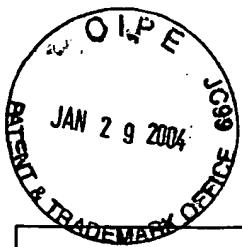


Jane Massey Licata
Registration No. 32,257

Date: January 27, 2004

Licata & Tyrrell P.C.
66 E. Main Street
Marlton, New Jersey 08053

(856) 810-1515



Sheet 01 of 02

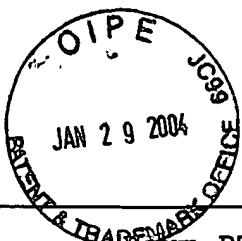
<p>Form PTO-1449 Modified</p> <p>List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U.S. Department of Commerce</p>	<p>Docket No. NE-0002</p> <p>Applicant Borgstahl et al.</p> <p>Filing Date October 7, 2003</p>	<p>Serial No. 10/681,874</p> <p>Group Not Yet Assigned</p>
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U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

EXAMINER

DATE CONSIDERED



Sheet 02 of 02

Form PTO-1449 Modified		Docket No. NE-0002	Serial No. 10/681,874
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Borgstahl et al.	
U.S. Department of Commerce		Filing Date October 7, 2003	Group Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	Bellamy et al., "The high-mosaicity illusion: revealing the true physical characteristics of macromolecular crystals", Acta Cryst. 2000 D56:986-995
AB	Boggon et al., "Synchrotron X-ray reciprocal-space mapping, topography and diffraction resolution studies of macromolecular crystal quality", Acta Cryst. 2000 D56:868-880
AC	Dobrianov et al., "X-ray Topographic Studies of Protein Crystal Perfection and Growth", Acta Cryst. 1998 D54:922-937
AD	Ludwig et al., "Three-dimensional imaging of crystal defects by 'topo-tomography'", J. Appl. Cryst. 2001 34:602-607
AE	Otalora et al., "Topography and high resolution diffraction studies in tetragonal lysozyme", Journal of Crystal Growth 1999 196:546-558
AF	Stojanoff et al., "X-ray Topography of Tetragonal Lysozyme Grown by the Temperature-Controlled Technique", Acta Cryst. 1997 D53:558-595
AG	Stojanoff et al., "X-ray topography of a lysozyme crystal", Acta Cryst. 1996 A52:498-499
AH	Vetter et al., "Synchrotron white-beam X-ray topography of ribonuclease S crystals", Acta Cryst. 2002 D58:579-584
EXAMINER	DATE CONSIDERED